Supplementary figure 1

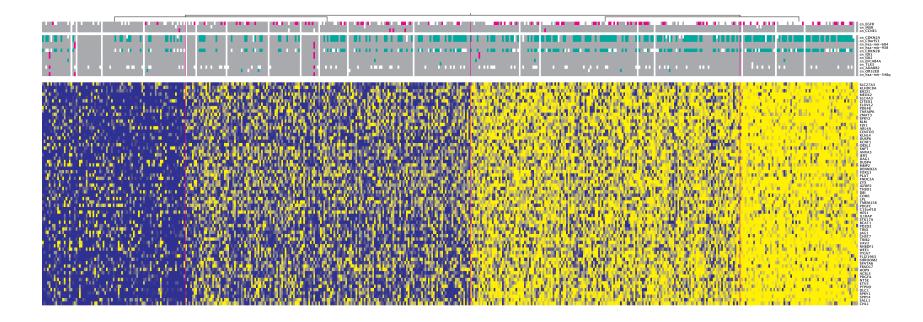


Figure 1. Module 18 is composed of 66 co-expressed genes, and is functionnally related to the regulation of several signaling pathways (e.g. RAS signaling, MAPK signaling cascade). The expression of the genes is indicated by a colored gradient ranging from dark blue (low levels) to bright yellow (high levels). At the top, the expression of copy-number genes selected as high-scoring regulators is divided in two groups. The first block indicate amplified genes and the scond deleted genes. The genes are colored according to the levels of their copy-number value in each sample, with magenta for values > 0.7 (indicating a putative amplification), green for values < -1.7 (indicating a putative deletion) and grey for values between those thresholds (indicating a normal copy-number status). The top amplified regulator is EGFR and the top deleted regulator is CDKN2A, two essential components of the RB and RTK/PI3K signaling pathways that are frequently altered in many types of cancer, including glioblastoma.